

**Remarks:**

In response to the Notice of Abandonment dated June 25, 2004, Applicant is submitting an Appendix containing a copy of the Response to Notice to Filing Missing Parts of Application, timely mailed on September 12, 2002, with a five month extension. Please note that an accompanying post card was stamped by the Office on September 18, 2002, recognizing the receipt of a Combined Declaration and Power of Attorney comprised of 20 pages (See Appendix at blue tab). Further, the signed Declaration by Jong Hyun Yoo on August 23, 2002, was submitted in this Response (See Appendix at red tab). Therefore, Applicant has previously submitted all required parts to make the application complete.

Applicant requests removal of the Abandonment status and also requests continued examination.

Respectfully submitted,



---

Keith M. Tackett  
Registration No. 32,008  
MOSER, PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd. Suite 1500  
Houston, TX 77056  
Telephone: (713) 623-4844  
Facsimile: (713) 623-4846  
Attorney for Applicant



# APPENDIX



Box "MISSING PARTS"  
COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

Title: PULSE NUCLEATION .... FOR WCVD PROCESS  
Inventor: Jong Hyun YOO et al  
Serial No.: 10/023,125 Filed: 12/17/2001  
Confirmation No.: 4585 Group Art Unit: 1765  
Atty Dkt No.: 5730 USA/TCG/WCVD/BG

ENCLOSED:



Notice to File Missing Parts of Non-Provisional  
Application - Filing Date Granted



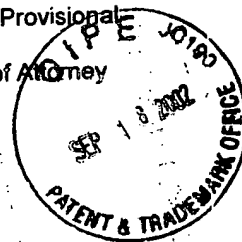
Combined Declaration and Power of Attorney  
(30 pages)



Return Receipt Post Card

Mailed:

9/12, 2002



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jong Hyun YOO et al

COMPUTER ENTERED

Assignee: APPLIED MATERIALS, INC.

Title: PULSE NUCLEATION ENHANCED NUCLEATION TECHNIQUE FOR IMPROVED STEP COVERAGE AND BETTER GAP FILL FOR WCVD PROCESS

Serial No.: 10/023,125

Filed: 12/17/2001

Group Art Unit: 1765

Confirmation Number: 4585

Attorney Docket No.: 5730 USA/TCG/WCVD/BG

Santa Clara, California

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Box: MISSING PARTS  
COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

**RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION -  
FILING DATE GRANTED**

Sir:

In response to the Notice to File Missing Parts of Application - Filing Date Granted mailed by the United States Patent and Trademark Office on **February 21, 2002** the following documents are enclosed to complete the filing of the above-identified patent application:

1. A combined declaration and power of attorney signed by the inventors in compliance with 37 CFR 1.63 (20 pages);
2. A copy of the Notice to File Missing Parts of Application - Filing Date Granted.

The United States Patent and Trademark Office is hereby authorized to charge the following fees to Deposit Account **50-1074**;

1. Filing Fee - Original Patent Application (37 CFR 1.16(a)) \$\*\*.00
2. Fees for claims

- |                          |  |         |
|--------------------------|--|---------|
| <input type="checkbox"/> | Each independent claim in excess of 3 (37 CFR 1.16(f)) | \$**.00 |
| <input type="checkbox"/> | Each claim in excess of 20 (37 CFR 1.16(c))            | \$**.00 |
| <input type="checkbox"/> | Each multiple dependent claim (37 CFR 1.16(d))         | \$**.00 |
| <input type="checkbox"/> | Late Payment of filing fee - (37 CFR 1.16(e))          | \$**.00 |

Total Completion Fees

\$\*\*.00

3. Applicant petitions for an extension of time, the fees for which are set out in 37 CFR 1.17(a)-(d), for the total number of months checked below:

Extension (Months)      Fee for other than Small Entity

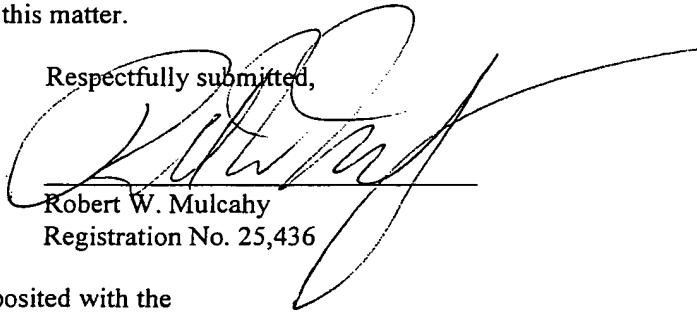
<input type="checkbox"/>	One Month	\$110.00
<input type="checkbox"/>	Two Months	\$400.00
<input type="checkbox"/>	Three Months	\$920.00
<input type="checkbox"/>	Four Months	\$1,440.00
<input checked="" type="checkbox"/>	Five Months	\$1,960.00

If an additional extension of time is required, please consider this a petition therefor.

4. Late filing of original declaration or oath (37 CFR 1.16(e))      \$130.00
5. Total fees due from items 1-4:      **\$2,090.00**
6. The Commissioner is hereby authorized to charge total fees due and any additional fees which may be required, or credit any overpayment, to Deposit Account No. **50-1074**.

It is hereby respectfully submitted that the enclosed documents complete the filing of the above-named patent application and justify the filing date of **December 17, 2001**. Please telephone the undersigned at (408) 563-2726, if there are any questions regarding this matter.

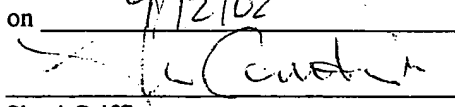
Respectfully submitted,

  
Robert W. Mulcahy  
Registration No. 25,436

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Box MISSING PARTS  
Commissioner for Patents  
Washington, D.C. 20231

on

9/12/02  
  
Sheri Griffin



Box "MISSING PARTS"  
COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

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## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov



APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/023.125	12/17/2001	Jong Hyun Yoo	5730/AMI-01-25

CONFIRMATION NO. 4585

Patent Counsel, Applied Materials, Inc.  
Legal Affairs Dept.  
P.O. Box 450A  
Santa Clara, CA 95052

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FORMALITIES LETTER



\*OC00000007512843\*

Date Mailed: 02/21/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

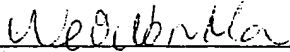
FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The signature of the following inventor(s) is missing from the oath or declaration:  
*Jong Hyun Yoo, Chiliang Chen*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

*A copy of this notice **MUST** be returned with the reply.*

  
Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

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## INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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PULSE NUCLEATION ENHANCED NUCLEATION TECHNIQUE FOR IMPROVED STEP COVERAGE AND  
BETTER GAP FILL FOR WCD PROCESS

## SPECIFICATION IDENTIFICATION

The specification of which:

- ☐ is attached hereto
- ☒ was filed on December 17, 2001, under Serial No. 10/023,125, executed on even date herewith; or
- ☐ Express Mail No. @ (as Serial No. not yet known)  
and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_  
filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_

## ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations. §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.



**PRIORITY CLAIM (35 U.S.C. §119)**

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- ☐ No such applications have been filed.
- ☒ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:  
Application No:  
Filing date:

- C. US Provisional applications filed within 12 months prior to this U.S. Application

Application No: 60/305,307  
Filing date: July 13, 2001

**PRIORITY CLAIM (35 U.S.C. §120)**

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

- ☒ No such applications have been filed
- ☐ Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>		
		<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>



Atty. Dkt. No. 5730 USA/TCG/WCVD

## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa  
 Donald Verplancken  
 Lawrence Edelman  
 Michael B. Einschlag  
 Raymond Kam-On Kwong  
 James C. Wilson  
 Joseph Bach  
 Robert W. Mulcahy  
 Walter Benjamin Glenn  
 B. Todd Patterson  
 William B. Patterson  
 Raymond R. Moser, Jr.  
 Keith M. Tackett  
 Joseph Pagnotta

Registration No. 25,610  
 Registration No. 33,217  
 Registration No. 25,226  
 Registration No. 29,301  
 Registration No. 37,165  
 Registration No. 35,412  
 Registration No. 37,771  
 Registration No. 25,436  
 Registration No. 44,713  
 Registration No. 37,906  
 Registration No. 34,102  
 Registration No. 36,682  
 Registration No. 32,008  
 Registration No. 39,322

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## Send correspondence to:

Patent Counsel, MS/2061  
 Legal Affairs Dept.  
 Applied Materials, Inc.  
 P. O. Box 450A  
 Santa Clara, CA 95052.

## Direct telephone calls to:

Todd Patterson  
 MOSER PATTERSON & SHERIDAN, LLP  
 (713) 623-4844

## DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of first inventor: Jong Hyun Yoo

Inventor's signature: *Jong Hyun Yoo*Date: 08-23-2002

Residence:

Milpitas, California

Post Office Address:

190 Rainbow Place  
 Milpitas, California 95035  
 U.S.A.

Country of Citizenship: South Korea

Full name of second inventor: Xinliang Lu

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence:

Sunnyvale, California

Post Office Address:

685 Garland Avenue #54  
 Sunnyvale, California 94086  
 U.S.A.

Country of Citizenship: People's Republic of China

Atty. Dkt. No. 5750 USA/TCG/WCVD

Full name of third inventor: Chiliang Chen

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Sunnyvale, California

Post Office Address: 1712 Calary Drive  
Sunnyvale, California 94538  
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fourth inventor: Kevin Kaung Lai

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Milpitas, California

Post Office Address: 1354 Terra Alta Drive  
Milpitas, California 95035  
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fifth inventor: Chien-Teh Kao

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Sunnyvale, California

Post Office Address: 725 Startush Drive  
Sunnyvale, California 94086  
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

(Declaration ends with this page)



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As a below named inventor, I hereby declare that:

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- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

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- ☐ Express Mail No. @ (as Serial No. not yet known)  
and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_  
filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

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			<input type="checkbox"/> Yes <input type="checkbox"/> No
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Full name of first inventor: Jong Hyun Yoo

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Milpitas, California  
Post Office Address: 190 Rainbow Place  
Milpitas, California 95035  
U.S.A.

Country of Citizenship: South Korea

Full name of second inventor: Xinliang Lu

Inventor's signature:  Date: 4-25-2002

Residence: Sunnyvale, California  
Post Office Address: 685 Garland Avenue #54  
Sunnyvale, California 94086  
U.S.A.

Country of Citizenship: People's Republic of China

Full name of third inventor: Chiliang Chen

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Sunnyvale, California

Post Office Address: 1712 Calary Drive  
Sunnyvale, California 94538  
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fourth inventor: Kevin Kaung Lai

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Milpitas, California

Post Office Address: 1354 Terra Alta Drive  
Milpitas, California 95035  
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fifth inventor: Chien-Teh Kao

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Sunnyvale, California

Post Office Address: 725 Starbush Drive  
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U.S.A.

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U.S.A.

Country of Citizenship: South Korea

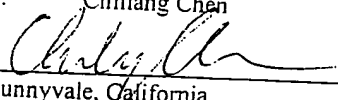
Full name of second inventor: Xinliang Lu

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Sunnyvale, California  
Post Office Address: 685 Garland Avenue #54  
Sunnyvale, California 94086  
U.S.A.

Country of Citizenship: People's Republic of China

Full name of third inventor: Chiliang Chen

Inventor's signature: 

Date: 4/23/02

Residence: Sunnyvale, California

Post Office Address: 1712 Calary Drive  
Sunnyvale, California 94538  
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fourth inventor: Kevin Kaung Lai

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Milpitas, California

Post Office Address: 1354 Terra Alta Drive  
Milpitas, California 95035  
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fifth inventor: Chien-Teh Kao

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Sunnyvale, California

Post Office Address: 725 Starbush Drive  
Sunnyvale, California 94086  
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

(Declaration ends with this page)



## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ [ X ] original
- ☐ [ ] divisional
- ☐ [ ] continuation
- ☐ [ ] continuation-in-part

**RECEIVED**

**AUG 09 2004**

**TC 1700**

## INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## TITLE OF INVENTION

PULSE NUCLEATION ENHANCED NUCLEATION TECHNIQUE FOR IMPROVED STEP COVERAGE AND BETTER GAP FILL FOR WCVD PROCESS

## SPECIFICATION IDENTIFICATION

The specification of which:

- ☐ [ ] is attached hereto
- ☒ [ X ] was filed on December 17, 2001, under Serial No. 10/023,125, executed on even date herewith; or
- ☐ [ ] Express Mail No. @ (as Serial No. not yet known) and was amended on \_\_\_\_\_ (if applicable)
- ☐ [ ] was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

## ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ [ ] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

**PRIORITY CLAIM (35 U.S.C. §119)**

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☐ No such applications have been filed.

☒ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

- C. US Provisional applications filed within 12 months prior to this U.S. Application

Application No: 60/305,307

Filing date: July 13, 2001

**PRIORITY CLAIM (35 U.S.C. §120)**

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>	
		<u>Patented Pending</u>	<u>Abandoned</u>

# POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Michael B. Einschlag	Registration No. 29,301
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Joseph Bach	Registration No. 37,771
Robert W. Mulcahy	Registration No. 25,436
Walter Benjamin Glenn	Registration No. 44,713
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William B. Patterson	Registration No. 34,102
Raymond R. Moser, Jr.	Registration No. 36,682
Keith M. Tackett	Registration No. 32,008
Joseph Pagnotta	Registration No. 39,322

## Send correspondence to:

Patent Counsel, MS/2061  
Legal Affairs Dept.  
Applied Materials, Inc.  
P. O. Box 450A  
Santa Clara, CA 95052.

## Direct telephone calls to:

Todd Patterson  
MOSER PATTERSON & SHERIDAN, LLP  
(713) 623-4844

# DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of first inventor: Jong Hyun Yoo

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Milpitas, California  
Post Office Address: 190 Rainbow Place  
Milpitas, California 95035  
U.S.A.

Country of Citizenship: South Korea

Full name of second inventor: Xinliang Lu

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Sunnyvale, California  
Post Office Address: 685 Garland Avenue #54  
Sunnyvale, California 94086  
U.S.A.

Country of Citizenship: People's Republic of China

Full name of third inventor: Chiliang Chen

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Sunnyvale, California

Post Office Address: 1712 Calary Drive  
Sunnyvale, California 94538  
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fourth inventor: <sup>Ken</sup>~~Kevin~~ Kaung Lai

Inventor's signature:  Date: 4/22/2002

Residence: Milpitas, California  
Post Office Address: 1354 Terra Alta Drive  
Milpitas, California 95035  
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fifth inventor: Chien-Teh Kao

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Sunnyvale, California

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<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
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U.S.A.

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Full name of third inventor: Chiliang Chen

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Sunnyvale, California

Post Office Address: 1712 Calary Drive  
Sunnyvale, California 94538  
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fourth inventor: Kevin Kaung Lai

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Milpitas, California

Post Office Address: 1354 Terra Alta Drive  
Milpitas, California 95035  
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

Full name of fifth inventor: Chien-Teh Kao

Inventor's signature:  Date: 4-23-2007

Residence: Sunnyvale, California

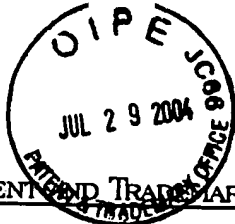
Post Office Address: 725 Starbush Drive  
Sunnyvale, California 94086  
U.S.A.

Country of Citizenship: Republic of China (Taiwan)

(Declaration ends with this page)



UNITED STATES PATENT AND TRADEMARK OFFICE



UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/023,125	12/17/2001	Jong Hyun Yoo	AMAT/5730

Moser, Patterson & Sheridan, LLP  
 3040 Post Oak Boulevard, Suite 1500  
 Houston, TX 77056

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AUG 09 2004

TC 1700

CONFIRMATION NO. 4585

ABANDONMENT/TERMINATION  
 LETTER



\*OC000000013066962\*

Date Mailed: 06/25/2004

### NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 02/21/2002.

- No reply was received.

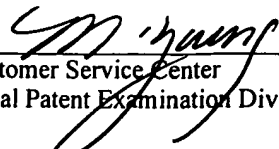
A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(l); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to the "Office of Petitions" at (703) 305-9282. Petitions should be mailed to: Mail Stop Petitions, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

*A copy of this notice **MUST** be returned with the reply.*

  
 Customer Service Center  
 Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE